## Abstract

A genetic analysis device particularly for determining the presence or absence of Single Nucleotide Polymorphisms (SNPs) within specific sequences of DNA. The device includes a housing, least glass slide member, at one and elastomeric member with channels thereon. arrays are spotted on the glass slide member(s) and subjected to DNA samples, reagents or the A plurality of openings or ports allow entry of samples, reagents or wash materials, while a plurality of exit ports or openings allow removal of such materials. The assay devices can be used for multiple samples or a single sample. A plurality of synthesis devices can be positioned in a support base in order to allow sampling in an automated manner. The synthesis devices can be provided in a 96 well microtiter format.

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